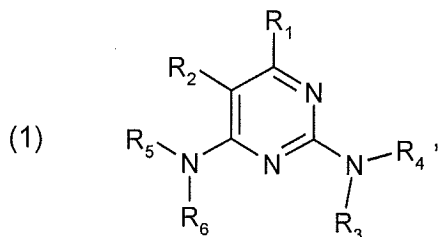


In the claims:

Claims 1-21 (cancelled).

22. **(currently amended)** A method for the antimicrobial treatment of a surface of a plastic, which method comprises contacting said surface of a plastic with a surface coating composition containing an antimicrobially effective amount of a 2,4-bis(alkylamino)pyrimidine of formula



wherein

R₁ is methyl ~~C₄-C₄₂alkyl or C₆-C₄₀aryl~~;

R₂ is hydrogen or C₁-C₁₂alkyl;

when R₂ is C₁-C₁₂alkyl

R₃ and R₅ are each independently of the other ~~hydrogen or C₄-C₈alkyl~~;

one of R₄ and R₆ is C₁-C₂₀alkyl, the other is ~~C₆-C₄₀aryl-C₄-C₆alkyl, hydroxy-C₄-C₆alkyl, di-C₁-C₆alkylamino-C₁-C₆alkyl, mono-C₁-C₆alkylamino-C₁-C₆alkyl, -(CH₂)₂-(O-(CH₂)₂)₁₋₄-OH or -(CH₂)₂-(O-(CH₂)₂)₁₋₄-NH₂~~;

~~R₆ is C₄-C₂₀alkyl, C₆-C₄₀aryl-C₄-C₆alkyl, hydroxy-C₄-C₆alkyl, di-C₄-C₆alkylamino-C₄-C₆alkyl, mono-C₄-C₆alkylamino-C₄-C₆alkyl, -(CH₂)₂-(O-(CH₂)₂)₁₋₄-OH or -(CH₂)₂-(O-(CH₂)₂)₁₋₄-NH₂ or~~

when R₂ is hydrogen

one of R₃ and R₅ is hydrogen;

one of R₄ and R₆ is C₁-C₂₀alkyl; and

either R₃ and R₄ and/or R₅ and R₆ together form a pyrrolidine, piperidine, hexamethyleneimine or morpholine ring.

23. **(cancelled)**

24. **(previously presented)** A method according to claim 22, wherein

R₂ is hydrogen or C₃-C₈alkyl.

25. **(cancelled)**

26. **(withdrawn and amended)** A method according to claim 22, wherein

R₄ is C₁-C₁₂alkyl, unsubstituted phenyl, C₆-C₄₀aryl, C₄-C₆alkyl, hydroxy-C₂-C₆alkyl, di-C₄-C₄alkylamino-C₄-C₄alkyl, mono-C₄-C₄alkylamino-C₄-C₄alkyl, (CH₂)₂-(O-(CH₂)₂)_{1,2}-OH or (CH₂)₂-(O-(CH₂)₂)_{1,2}-NH₂; and

R₆ is C₄-C₁₂alkyl, C₆-C₄₀aryl, C₆-C₄₀aryl-C₄-C₆alkyl, hydroxy-C₂-C₆alkyl, di-C₄-C₄alkylamino-C₄-C₄alkyl, mono-C₄-C₄alkylamino-C₄-C₄alkyl, (CH₂)₂-(O-(CH₂)₂)_{1,2}-OH or (CH₂)₂-(O-(CH₂)₂)_{1,2}-NH₂.

27. **(cancelled)**

28. **(cancelled)**

29. **(currently amended)** A method according to claim 22, wherein

R₁ is C₄-C₄alkyl or phenyl methyl;

R₂ is hydrogen or hexyl

one of R₃ and R₅ are each independently of the other is hydrogen or C₄-C₈alkyl;

one of R₄ and R₆ is C₁-C₁₂alkyl, C₆-C₄₀aryl, C₄-C₆alkyl, hydroxy-C₂-C₆alkyl,

di-C₄-C₄alkylamino-C₄-C₄alkyl, mono-C₄-C₄alkylamino-C₄-C₄alkyl, (CH₂)₂-(O-(CH₂)₂)_{1,2}-OH or (CH₂)₂-(O-(CH₂)₂)_{1,2}-NH₂; and

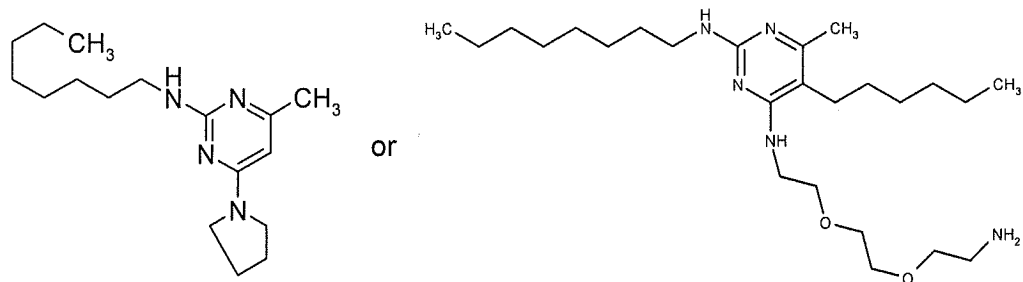
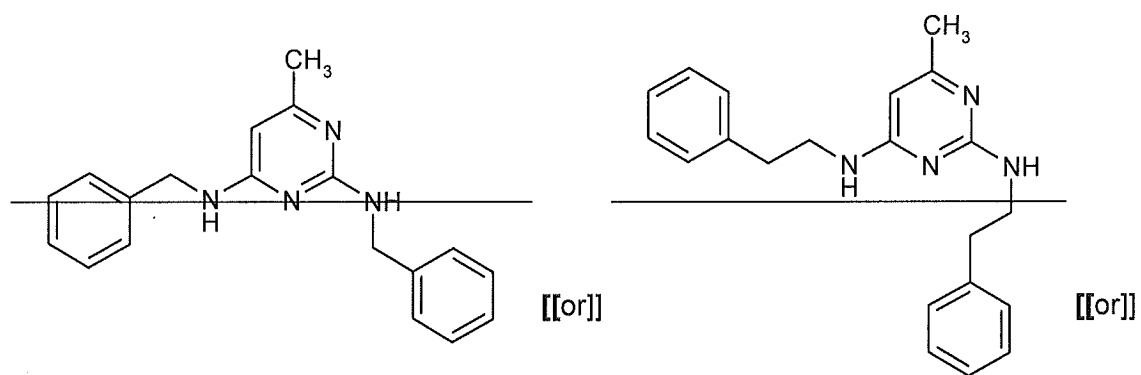
R₆ is C₄-C₁₂alkyl, C₆-C₄₀aryl, C₄-C₆alkyl, hydroxy-C₂-C₆alkyl, di-C₄-C₄alkylamino-C₄-C₄alkyl, mono-C₄-C₄alkylamino-C₄-C₄alkyl, (CH₂)₂-(O-(CH₂)₂)_{1,2}-OH or (CH₂)₂-(O-(CH₂)₂)_{1,2}-NH₂; or

and either R₃ and R₄ together, and or R₅ and R₆ together, form a pyrrolidine or [[,]] piperidine ring.

, hexamethyleneimine or morpholine ring.

30. **(cancelled)**

31. **(currently amended)** A method according to claim 22, wherein the 2,4-bis(alkylamino)pyrimidine is of the formula



32-42. (cancelled)